WHAT IS CLAIMED IS:

1. A process for the transmission and reception of electronic mail between computer servers over reliable byte-stream transports comprising the steps of:

a transmitter connecting to a receiver,

the receiver sending a greeting to the transmitter,

the transmitter replying the receiver with a greeting and an envelope,

the receiver replying the transmitter with the envelope status,

the transmitter receiving the envelope status and sending a message, and

the receiver receiving the message and replying with the message status.

2. The process of claim 1, further comprising the steps of:

the receiver receiving a complete message,

the receiver discarding records of the status of the previous message as being in transit, and

the transmitter sending a new envelope without a greeting to the receiver.

3. The process of claim 1, wherein the transmission and reception of electronic mail is carried over a 8 bit channel.

4. The process of claim 1, wherein the transmission and reception of electronic mail imposes no line-length limits on the messages.

5. The process of claim 1, wherein duplicated messages are suppressed.

6. The process of claim 1, wherein loop detection is implemented.

7. The process of claim 1, wherein Carriage Returns and Line Feeds in a message body is not required.

8. The process of claim 1, wherein the transmission of data between transmitter and receiver is asynchronous.

9. The process of claim 1, wherein if the transmitter detects loss of synchronization with the receiver, the transmitter will drop the connection with the receiver.

10. The process of claim 1, wherein if the receiver detects loss of synchronization with the transmitter, the receiver will drop the connection with the transmitter.

11. The process of claim 1, wherein the message is transmitted and received as raw unconverted data.